

**What is claimed:**

- 1        1.        An isolated, purified or recombinant polynucleotide encoding the PAPAP  
2                   polypeptide of SEQ ID No 2.
  
- 1        2.        An isolated, purified or recombinant polynucleotide comprising the nucleotide  
2                   sequence of SEQ ID No. 1 or the complement thereof. .
  
- 1        3.        A recombinant vector comprising the polynucleotide of claim 1. .
  
- 1        4.        A host cell comprising the recombinant vector of claim 3. .
  
- 1        5.        A non-human host animal or mammal comprising the recombinant vector of  
2                   claim 3. .

- 1           6.       The polynucleotide of claim 1, further comprising a label. .
- 1           7.       A purified or isolated PAPAP polypeptide encoded by the nucleotide sequence  
2               of SEQ ID No 1. .
- 1           8.       A purified or isolated PAPAP polypeptide comprising the amino acid sequence  
2               of SEQ ID No 2. .
- 1           9.       A method for producing a PAPAP polypeptide, said method comprising:  
2               providing a host cell comprising the recombinant vector of claim 1;  
3               culturing said host cell under conditions conducive to the expression of said  
4               PAPAP polypeptide;  
5               recovering the PAPAP polypeptide produced by said host cell. .

1           10.    An isolated or purified antibody composition that selectively binds to the polypeptide  
2                   of claim 8. .

1           11.           A method for specifically detecting the presence of a PAPAP polypeptide in a  
2                   biological sample, said method comprising:  
3                   a)     bringing into contact the biological sample with an antibody that  
4                           specifically binds to the PAPAP polypeptide of claim 8; and  
5                   b)     detecting the antigen-antibody complex formed between said antibody and  
6                           said polypeptide. .

1           12.    A method for the screening of a candidate substance, said method comprising:  
2                   providing the polypeptide of claim 8;  
3                   bringing into contact said polypeptide with said candidate substance;  
4                   determining whether a complex forms between said polypeptide and said  
5                   candidate substance. .

- 1 13. A method for the screening of a candidate substance, said method comprising:
- 2 a) cultivating a prokaryotic or a eukaryotic cell that has been transfected with a
- 3 nucleotide sequence encoding a PAPAP protein, placed under the control of its
- 4 own promoter;
- 5 b) bringing into contact the cultivated cell with said candidate molecule;
- 6 c) detecting the expression of said PAPAP protein in the presence of said
- 7 candidate molecule. .